

CERTIFICATE OF ANALYSIS

Bismuth oxide Nanoparticles

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Key Spec Table

CAS #	EC Number	Hill Formula	Molar Mass
1304-76-3	215-134-7	Bi ₂ O ₃	465.96 g/mol

Pricing & Availability

Catalogue Number	Availability	Packaging	Qty/Pack	Price	Quantity	
1018621000		Plastic bottle	1 kg	Upon Order Completion More Information	—	
1018629025	—	Fibre carton	25 kg	Upon Order Completion More Information	—	

Add To Cart

Description	
Catalogue Number	101862

Product Information	
CAS number	1304-76-3
EC number	215-134-7
Hill Formula	Bi ₂ O ₃
Molar Mass	465.96 g/mol
HS Code	2825 90 90
Quality Level	MQ200
Physicochemical Information	
Density	8.93 g/cm ³ (20 °C)
Melting Point	825 °C
Bulk density	1000 kg/m ³
Solubility	0.006 g/l practically insoluble
Toxicological Information	
LD 50 oral	LD50 Rat 5000 mg/kg

Safety Information according to GHS

Storage class	10 - 13 Other liquids and solids
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WGK	NWG not water endangering
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Disposal	14 Inorganic salts: Container I. Neutral solutions of the these salts: Container D. Before placing in Container D, check the pH with pH-Universal indicator strips (Item No. 109535).
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Storage and Shipping Information

Storage	Store at +2°C to +30°C.
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Specifications

Assay (complexometric)	$\geq 99.0 \%$
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Al (Aluminium)	$\leq 20 \text{ ppm}$
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Ca (Calcium)	$\leq 10 \text{ ppm}$
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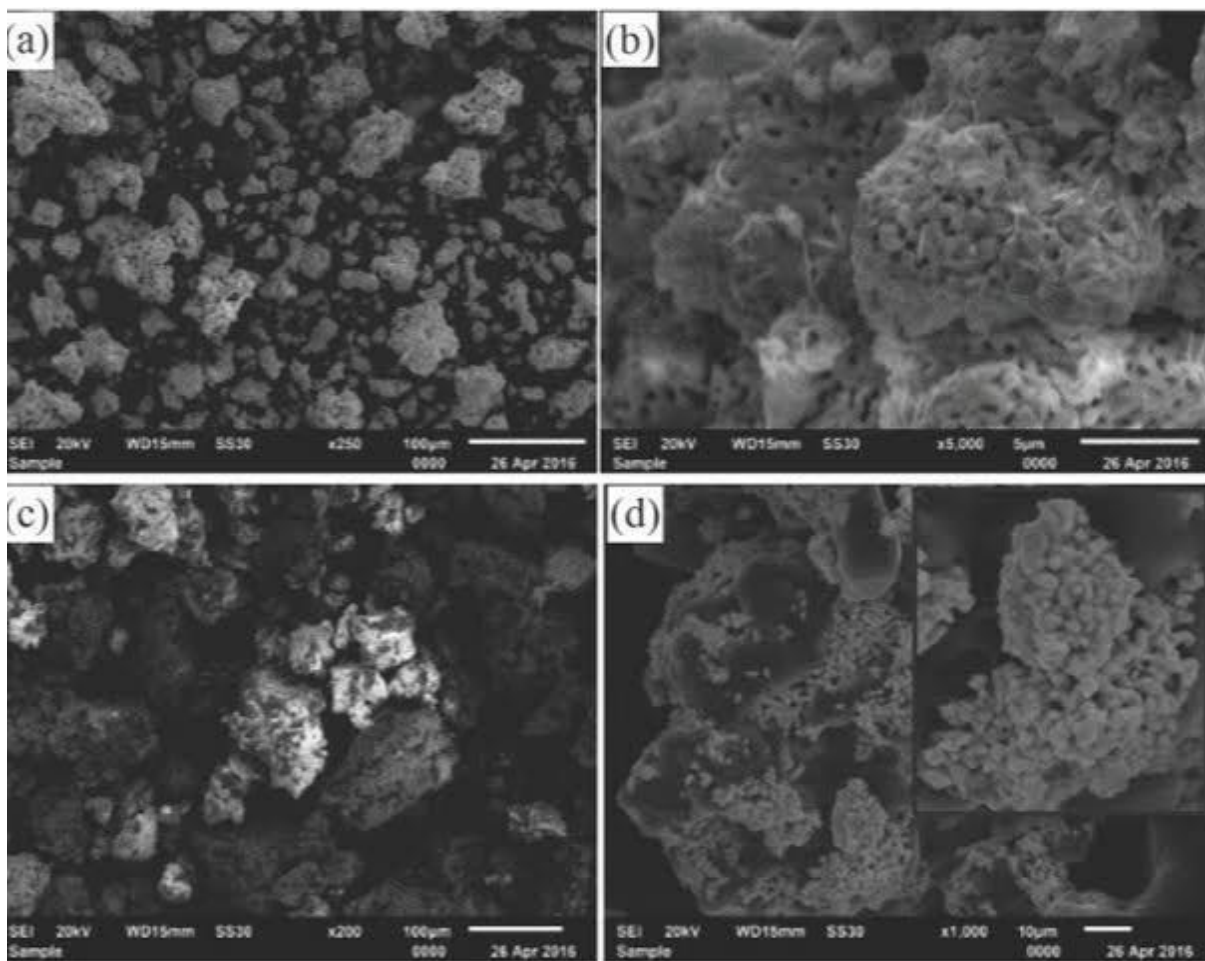
Cu (Copper)	$\leq 5 \text{ ppm}$
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Fe (Iron)	$\leq 5 \text{ ppm}$
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K (Potassium)	$\leq 20 \text{ ppm}$
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Specifications	
Mg (Magnesium)	≤ 5 ppm
Na (Sodium)	≤ 50 ppm
Pb (Lead)	≤ 5 ppm
Si (Silicon)	≤ 30 ppm
Specific surface area (BET)	0.2 - 0.6 m ² /g
Particle size XRD	20nm
Global Trade Item Number	
Catalogue Number	GTIN
1018621000	04022536025827
1018629025	04022536025834.

SEM :-



XRD :-

